

Title (en)

MULTIMEDIA BROADCAST MULTICAST SERVICE (MBMS) UTILIZING SPATIAL MULTIPLEXING

Title (de)

MULTIMEDIA-RUNDFUNK-MULTICAST-SERVICE (MBMS) MIT RÄUMLICHEM MULTIPLEXING

Title (fr)

SERVICE DE DIFFUSION/MULTIDIFFUSION MULTIMÉDIA (MBMS) FAISANT APPEL A UN MULTIPLEXAGE SPATIAL

Publication

EP 2269392 A4 20160615 (EN)

Application

EP 09722906 A 20090320

Priority

- IB 2009000567 W 20090320
- US 3850608 P 20080321

Abstract (en)

[origin: WO2009115912A2] Systems and methods are disclosed herein for an enhanced Multimedia Broadcast Multicast Service (MBMS) in a wireless communications network. In one embodiment, a number of base stations in a MBMS zone, or broadcast region, accommodate both Spatial Multiplexing (SM) enabled user elements and non-SM enabled user elements. In another embodiment, a number of base stations form a MBMS zone, or broadcast region, where the MBMS zone is sub-divided into an SM zone and a non-SM zone. In another embodiment, the wireless communications network includes multiple MBMS zones. For each MBMS zone, base stations serving the MBMS zone transmit an MBMS zone identifier (ID) for the MBMS zone. The MBMS zone ID may be used by a user element for decoding and/or to determine when to perform a handoff from one MBMS zone to another.

IPC 8 full level

H04B 7/02 (2006.01)

CPC (source: EP KR US)

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Citation (search report)

- [Y] US 2007165104 A1 20070719 - KHAN FAROOQ [US], et al
- [Y] US 2008031374 A1 20080207 - WALTON JAY R [US], et al

Citation (examination)

US 2005068918 A1 20050331 - MANTRAVADI ASHOK [US], et al

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DOCDB simple family (publication)

WO 2009115912 A2 20090924; WO 2009115912 A3 20091112; BR PI0909413 A2 20171107; CN 102106164 A 20110622; CN 102106164 B 20140226; CN 103763776 A 20140430; CN 103763776 B 20170222; CN 103781175 A 20140507; CN 103781175 B 20170315; CN 103781176 A 20140507; CN 103781176 B 20170718; EP 2269392 A2 20110105; EP 2269392 A4 20160615; EP 3343790 A2 20180704; EP 3343790 A3 20180815; JP 2011518465 A 20110623; JP 2014014080 A 20140123; JP 2015008511 A 20150115; JP 2016174413 A 20160929; JP 5363557 B2 20131211; JP 5620548 B2 20141105; JP 6134298 B2 20170524; JP 6259011 B2 20180110; KR 101571580 B1 20151124; KR 101595425 B1 20160224; KR 101695604 B1 20170111; KR 20100139048 A 20101231; KR 20140054429 A 20140508; KR 20160023914 A 20160303; US 10349229 B2 20190709; US 10638274 B2 20200428; US 2011019605 A1 20110127; US 2013301513 A1 20131114; US 2018035266 A1 20180201; US 2019306668 A1 20191003; US 9801028 B2 20171024; US 9807573 B2 20171031

DOCDB simple family (application)

IB 2009000567 W 20090320; BR PI0909413 A 20090320; CN 200980118106 A 20090320; CN 201410049220 A 20090320; CN 201410049520 A 20090320; CN 201410049522 A 20090320; EP 09722906 A 20090320; EP 18157841 A 20090320; JP 2011500310 A 20090320; JP 2013147527 A 20130716; JP 2014167190 A 20140820; JP 2016110077 A 20160601; KR 20107023441 A 20090320; KR 20147008988 A 20090320; KR 20167003651 A 20090320; US 201313944343 A 20130717; US 201715730111 A 20171011; US 201916437069 A 20190611; US 93374009 A 20090320